



## **APPENDIX A**



**APPENDIX**  
(accompanying Amendment of April 7, 2003)

09/893,512

**IN THE CLAIMS:**

Please amend claims 45 and 48 as follows:

45. (Amended) A method for assaying a ligand [or an antagonist or agonist for said ligand] for a heptahelix receptor, said method comprising:

providing a heptahelix receptor encoded by a nucleotide sequence present in plasmid clone Lyme21-9;

incubating the receptor with a test sample suspected of containing the ligand[, antagonist, or agonist]; and

detecting binding between the receptor and the ligand, [antagonist, or agonist]

wherein binding indicates that a ligand for the receptor is present in the sample.

48. (Amended) The method of claim 45, wherein the heptahelix receptor is expressed on [an] a cellular membrane of a host cell transfected or transduced with DNA encoding the receptor.

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